

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PELM4264C1W0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 95/ 14882	International filing date (day/month/year) 15/11/95	(Earliest) Priority Date (day/month/year) 16/11/94
Applicant PERKIN-ELMER CORP.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (see Box I).

2. ☐ Unity of invention is lacking (see Box II).

3. ☒ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing

☒ filed with the international application.

☐ furnished by the applicant separately from the international application,

☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.

☐ Transcribed by this Authority

4. With regard to the title, ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is:

Figure No. 2 ☒ as suggested by the applicant.

☐ None of the figures.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

NOTED ✓ ACW 4/9/94

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C12Q1/68 C07H21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP,A,0 601 889 (MAINE MEDICAL CENTER RESEARCH) 15 June 1994 cited in the application see the whole document ---	1-17
X	EP,A,0 229 943 (MOLECULAR BIOSYSTEMS INC) 29 July 1987 see page 6, line 3 - page 7, line 1; figure 1 ---	1-17
Y	WO,A,93 13224 (CHIRON CORP) 8 July 1993 see the whole document ---	1-74
Y	EP,A,0 523 557 (BOEHRINGER MANNHEIM GMBH) 20 January 1993 see page 2, line 37 - line 48; claims 1-10 --- -/--	1-74

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

14 March 1996

Date of mailing of the international search report

27. 03. 96

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+ 31-70) 340-3016

Authorized officer

Gurdjian, D

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP,A,0 232 967 (AMOCO CORP) 19 August 1987 see the whole document ---	1-74
Y	WO,A,92 02638 (CETUS CORP) 20 February 1992 see the whole document ---	30-45
A	EP,A,0 343 955 (BIOVENTURES INC) 29 November 1989 see page 12, line 55 - page 15, line 10 ---	1-17
A	DATABASE WPI Section Ch, Week 8608 Derwent Publications Ltd., London, GB; Class B04, AN 86-050950 & JP,A,61 003 063 (FUJI REBIO KK) , 9 January 1986 see abstract ---	32-35
A	PROCEEDING OF THE NATIONAL ACADEMY OF SCIENCES OF THE USA, vol. 85, no. 23, 1988 pages 8790-8794, R.A.CARDULLO ET AL. 'Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer' see the whole document ---	1-74
P,X	ANALYTICAL BIOCHEMISTRY, vol. 231, no. 1, October 1995 pages 131-140, J.JU ET AL. 'Design and synthesis of fluoescence energy transfer dye-labeled primers and their application for DNA sequencing and analysis' see the whole document ---	1-17
P,X	WO,A,95 03429 (UNIV UTAH RES FOUND) 2 February 1995 see page 21, line 22 - line 26; figures 14,15 -----	1-17